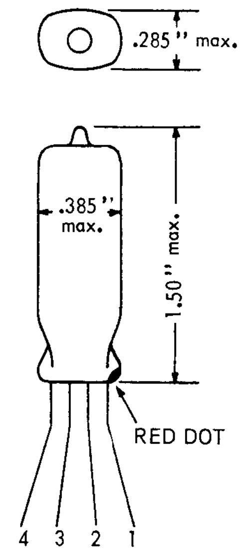
SUBMINIATURE TRIODE

TYPE CK6029

The CK6029 is a filament type triode of subminiature construction designed for use as a high frequency oscillator up to several hundred megacycles. The design characteristics are optimized for high peak current, high frequency operation at relatively low filament power. The CK6029 is suitable for intermittent service applications such as "push-to-talk" transmitters which do not require long life characteristics. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.



MECHANICAL DATA

ENVELOPE: T-2X3 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.5" min. Spacing: 0.048" center-to-center)

TERMINAL CONNECTIONS: *(Red dot is adjacent to lead 1)*

Lead 1 Plate	Lead 3 Grid
Lead 2 Filament, Negative	Lead 4 Filament, Positive

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: *(μμfds.)* ▲

Grid to Plate	1.6
Grid to Filament	1.3
Plate to Filament	1.8

DESIGN CENTER MAXIMUM RATINGS:

Filament Voltage (dc)	1.25 volts
Plate Voltage	135 volts
Plate Current	14 ma.
Plate Dissipation	1.0 watt

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:

Filament Voltage (dc)	1.25 volts
Filament Current	200 ma.
Plate Voltage	90 volts
Grid Voltage	-4.0 volts
Amplification Factor	8.5
Transconductance	2000 μmhos
Plate Current	11 ma.

CHARACTERISTICS AND TYPICAL OPERATION - CLASS C AMPLIFIER: *(At frequencies below 100 Mc.)* ■

Filament Voltage (dc)	1.25 volts
Filament Current	200 ma.
Plate Voltage	135 volts
Grid Resistor	5000 ohms
Grid Current (approx.)	4 ma.
Plate Current	14 ma.
Power Output (approx.)	1.1 watts

▲ *Without shield.*

■ *The CK6029 may be used as an oscillator at frequencies appreciably higher than 100 Mc. At 400 Mc. it has sufficient power output to be used as the local oscillator for a converter.*

Tentative Data

AVERAGE PLATE CHARACTERISTICS

